

part be greater than the processing temperature of the injecting molten polymer. Such teachings are contained in U.S. Pat. No. 2,643,158 directed to a method of molding brushes. At section 4, line 60-63, "In general the materials should be selected so that the strands or tufts shall not be caused to deteriorate by the molding heat". Those skilled in the art understand it is not advisable to insert plastic into injection molds or into compression molds at temperatures greater than the distortion temperature of the insert part.

In some cases methods are used for cooling a portion of the mold containing a meltable insert. Such systems are cumbersome, expensive and difficult to use